

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
134666-1

In Re Application Of: Qi Zhao et al.

Serial No.
10/707,031

Filing Date
11/17/2003

Examiner
N/A

Group Art Unit
N/A

Title: ITERATIVE CT RECONSTRUCTION METHOD USING MULTI-MODAL EDGE INFORMATION

Address to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

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ITERATIVE CT RECONSTRUCTION METHOD USING MULTI-MODAL EDGE INFORMATION**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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Dated: November 11, 2003

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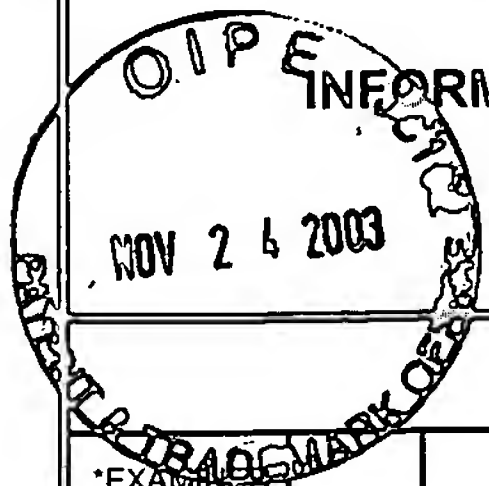
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SERIAL NO.

10/707,031

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11/17/2003

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	1	WO 02/067201 A1	29.08.2002	Europe			✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	2	J. A. Browne, J. M. Boone, and T. J. Homes, "Maximum-likelihood x-ray computed-tomography finite-beamwidth considerations;" Applied Optics, Vol. 34, No. 23, August 10, 1995; pages 5199 - 5207.
	3	B. De Man, J. Nuyts, P. Dupont, G. Marchal, and P. Suetens, "An Iterative Maximum-Likelihood Polychromatic Algorithm for CT;" IEEE Transactions on Medical Imaging, Vol. 20, No. 10, October 2001; pages 999 - 1008.

EXAMINER

DATE CONSIDERED

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<div><div>PTO INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</div><div>NOV 26 2003</div></div>				ATTY DOCKET NO. 134666-1		SERIAL NO. 10/707,031		
				Qi Zhao				
				FILING 11/17/2003		GROUP N/A		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		4	B. De Man, J. ohan Nuyts, and P. Suetens; "IMPACT: Iterative Maximum-likelihood Polychromatic Algorithm for CT"					
		5	Bruno De Man; Iterative Reconstruction for Reduction of Metal Artifacts in Computed Tomography; 2001					
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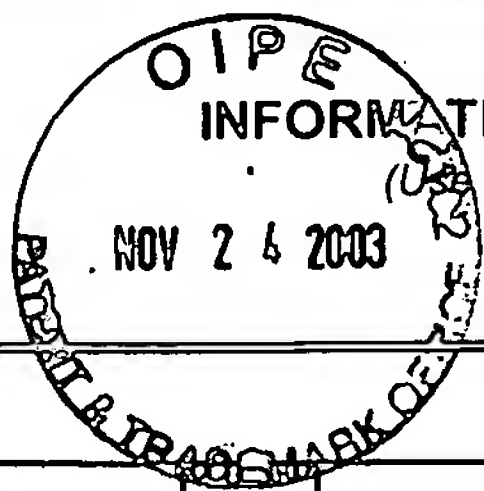
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TRANSLATION	
YES	NO

I. A. Elbakri and J. A. Fessler; "Segmentation-Free Statistical Image Reconstruction for Polyenergetic X-Ray Computed Tomography;" IEEE; 2002; pages 828 - 831.

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	8	D.J. Heuscher and M. Vembar; "Reduced partial volume artifacts using spiral computed tomography and an integrating interpolator;" Assoc. Phys. Med, Med. Phys. 26 (2), February 1999; pages 276 - 286.
	9	Hee-Joung Kim, Barry R. Zeeberg, Richard C. Reba; "Grey and White Matter Spect Neuroimaging: Iterative Reconstruction Using a High Resolution Anatomical Image to Correct for 3-D Detector Response, Attenuation, and Scatter;" IEEE; 1993; pages 1002 - 1004

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TRANSLATION

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10

J. Nuyts, B. De Man, P. Dupont, M. Defrise, P. Suetens, and L. Mortelmans; "Iterative reconstruction for helical CT: a simulation study;" *Phs. Med. Biol.* 43; 1998; pages 729 - 737.

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